

Education: Science in the Neighborhood and the Nation

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Education Office

Presented at the
LSS Managers' Meeting

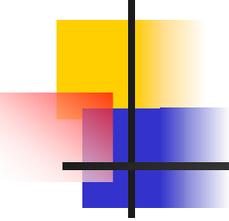
February 20, 2003

Education Partnership

Teachers and scientists working together



The Lederman Science Center is a resource for teachers and schools.



Program Strategies

- Research, design and conduct programs that maintain science education at the highest levels for all students.
- Promote the integration of innovative educational technologies with curriculum.
- Promote the use of high-quality science materials and resources.

Staff Workshops and Institutes



- QuarkNet: High school physics research
- LInC: K-12 web-integration course
- Field trip-based workshops
- Technology integration workshops

Research Appointments



- Preservice Teacher Internships

Kids at Fermilab



Classroom Units & Field Trips

- Physics Science Experience
- Prairie Science Experience

Classes for Kids & Families

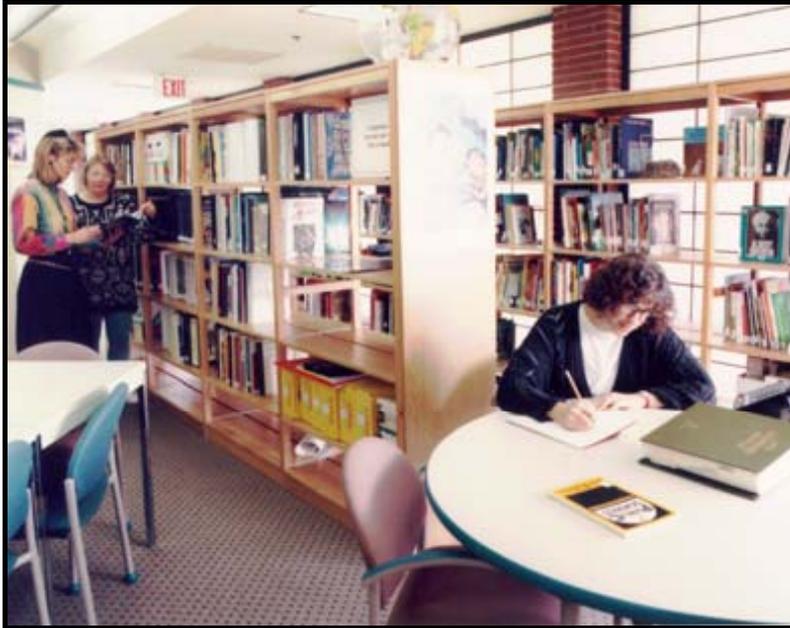
- Saturday Morning Physics
- Science Adventures
- Wonders of Science

Classroom Visits



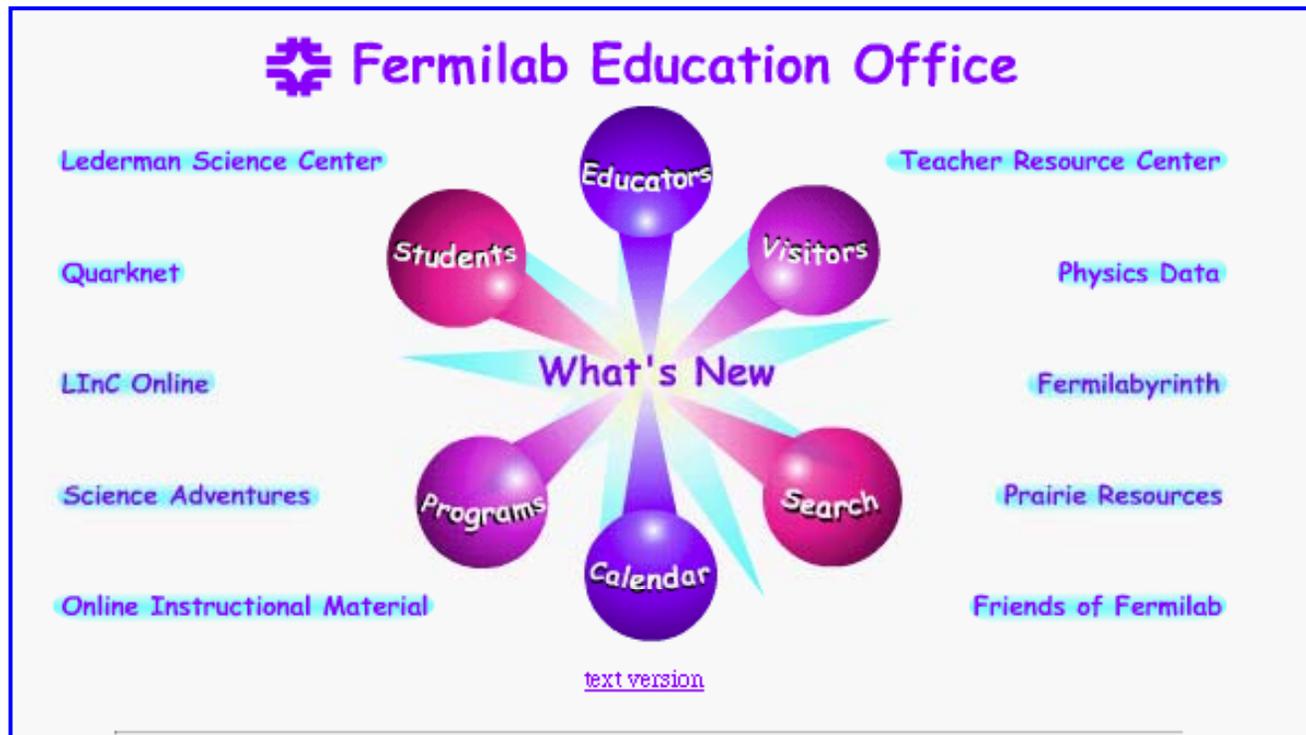
Cryogenics Show • Grad Student Program • Speakers' Bureau

Teacher Resource Center



- Collections
- Online catalogue
- Consulting
- Technology workshops
- Partnership with US DOEd

Web-based Materials

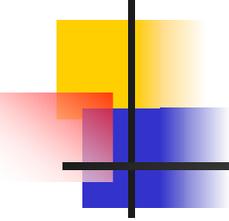


Online Instructional Projects • Particle Physics Data •
Fermilabyrinth – a virtual field trip • Prairie Data

Resources for Scientists



- *Sharing Science with Children*
- Reference collection
- Instructional materials
- Website
- Classroom visit activities
- Hands-on exhibits



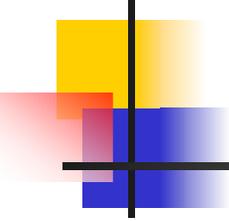
Stats

- In FY01 over **22,000** students and **6,500** teachers participated in our programs.
- Over **50** educators taught in the programs and **200** scientists, engineers and technicians volunteered.
- Education Office staff is **11** FTE and **20** on-call docents.

Our Success

- Partnerships with educators.
- Lab support from the director on down.
- Outside resources from the Fermilab Friends for Science Education.





For More

For more information about the
Education Office visit their website
<http://www-ed.fnal.gov/>